

In re Appln. of DITTER et al.  
Application No. Unassigned

*ABSTRACT*

Please add the Abstract on the following page:

## ABSTRACT

Elongate hollow fibre polymeric membranes having an outer surface, a plurality of pores and a pore size gradient increasing radially inwardly such that the pores form a substantially hollow passage in the fibre are disclosed. The hollow fiber membranes are made by mixing a liquid lumen forming agent with a polymer dope, and then contacting the dope with a quench fluid for a time sufficient for the dope to solidify, wherein the quench fluid is contacted only at an outer surface of the dope corresponding with an outer surface on the hollow fibre.